

WEST☐ **Generate Collection** **Print**

L6: Entry 72 of 85

File: DWPI

Oct 7, 1985

DERWENT-ACC-NO: 1985-287197
DERWENT-WEEK: 198546
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TITLE: Low temp. mouldable polymer compsn. - comprises polymer contg.
trans:polybutadiene and inorganic filler

PRIORITY-DATA: 1984JP-0052376 (March 21, 1984)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
JP 60197748 A	October 7, 1985		006	
JP 91048944 B	July 26, 1991		000	

INT-CL (IPC): C08K 3/00; C08L 9/00

ABSTRACTED-PUB-NO: JP 60197748A
BASIC-ABSTRACT:

Mouldable polymer compsn. consists of 100 wt. pts. of a polymer component contg. at least 30 wt.% of transpolybutadiene of Mooney viscosity 10-100, trans bonding 80-95% and mol. wt. distribution 1.2-5.0 and 5-100 wt. pts. of inorganic filler. The polymer component is composed of 30-90 wt. pts. trans polybutadiene and 70-10 wt. pts. of trans polyisoprene or 30-85 wt. pts. of transpolybutadiene, 85-10 wt. pts. of trans isoprene and 5-30 wt. pts. of cispolyisoprene.

The inorganic filler used includes calcium carbonate, silicic acid, calcium silicate, aluminium silicate, aluminium oxide, barium sulphate, titanium oxide or mixt. and clay, talc, mica and asbestos.

USE/ADVANTAGE - The mouldable polymer compsn. has an excellent balance of hardness, impact resilience and high impact, low deformation temp. and large curing speed and is used for mfg. golf ball covers, plaster cast and toys.

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L6: Entry 60 of 85

File: DWPI

Apr 3, 1990

DERWENT-ACC-NO: 1990-144919

DERWENT-WEEK: 199019

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TITLE: Solid golf ball - obtd. by adding fatty acid zinc salt and/or ester, clay and phenolic antioxidant to rubber (meth)acrylic acid metal salt, etc.

PRIORITY-DATA: 1988JP-0245345 (September 29, 1988)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
JP 02092379 A	April 3, 1990		000	

INT-CL (IPC): A63B 37/00; A63B 45/00

ABSTRACTED-PUB-NO: JP 02092379A

BASIC-ABSTRACT:

Prepn. of solid golf ball comprises adding zinc salt of fatty acid and/or ester of fatty acid, clay and phenol type antioxidant to a rubber compsn. comprising substrate rubber, a metal salt of methacrylic acid and/or metal salt of acyl acid and peroxide type cross-linking initiator. The resultant is vulcanised and moulded into core ball of one piece multi-layer ball.

The rubber pref. includes butadiene rubber, natural rubber, isoprene rubber, etc.. The metal to form salt includes sodium, magnesium, etc.. The fatty acid pref. includes palmitic acid, myristic acid, stearic acid, etc.. The ester pref. includes esters of lower alcohol, polyglycol, etc..

USE/ADVANTAGE - The solid ball has improved impact resistance and durability.

WEST Search History

DATE: Wednesday, June 25, 2003

<u>Set Name</u> side by side	<u>Query</u>	<u>Hit Count</u>	<u>Set Name</u> result set
<i>DB=USPT; PLUR=YES; OP=OR</i>			
L1	m1030d\$ or 1015c2\$	0	L1

END OF SEARCH HISTORY

WEST Search History

DATE: Wednesday, June 25, 2003

Set Name Query

side by side

Hit Count Set Name

result set

DB=DWPI; PLUR=YES; OP=OR

L6	L5 not l3	85	L6
L5	L4 and l1	85	L5
L4	phyllosilic\$ or phillosilic\$ or clay\$ or hydrotalcit\$ or montmoril\$ or micafluor\$ or octosilicat\$	47036	L4
L3	L2 and l1	7	L3
L2	nanofiller\$ or nanocomposit\$ or nano	4511	L2
L1	golf\$	23571	L1

END OF SEARCH HISTORY

(FILE 'HOME' ENTERED AT 15:27:50 ON 25 JUN 2003)

FILE 'CA' ENTERED AT 15:27:58 ON 25 JUN 2003

L1	3338 S GOLF?
L2	22399 S NANOFILLER? OR NANOCOMPOSIT? OR NANO
L3	4 S L1 AND L2
L4	168468 S CLAY? OR PHILLOSILICAT? OR PHYLLOSILICAT? OR OCTOSILICAT?
OR	
L5	53 S L1 AND L4 NOT L3

L Number	Hits	Search Text	DB	Time stamp
1	1610	((524/445) or (524/789) or (524/790)).CCLS.	USPAT; US-PGPUB	2003/06/25 16:17
2	21	((524/445) or (524/789) or (524/790)).CCLS.) and golf\$	USPAT; US-PGPUB	2003/06/25 16:32
3	11043	golf\$[ab]	USPAT; US-PGPUB	2003/06/25 16:33
4	10150	nanofiller\$ or nanocomposit\$ or nano	USPAT; US-PGPUB	2003/06/25 16:33
5	12	golf\$[ab] and (nanofiller\$ or nanocomposit\$ or nano)	USPAT; US-PGPUB	2003/06/25 16:41
6	0	golf\$[ab] and (phyllosilicat\$ or phyllosilicat\$)	USPAT; US-PGPUB	2003/06/25 16:42
7	0	golf\$[ab] and (phyllosilicat\$ or phylosilicat\$)	USPAT; US-PGPUB	2003/06/25 16:42
8	3	golf\$[ab] and (hyydrotalc\$ or montmoril\$ or micafluor\$ or octosilicat\$)	USPAT; US-PGPUB	2003/06/25 16:43
9	516	golf\$[ab] and clay\$	USPAT; US-PGPUB	2003/06/25 16:44
10	236	(golf\$[ab] and clay\$) and (nylon or polyamide\$)	USPAT; US-PGPUB	2003/06/25 16:45
11	10	(golf\$[ab] and clay\$) and (nylon\$[ab] or polyamide\$[ab])	USPAT; US-PGPUB	2003/06/25 16:50
12	24	"5886103"	USPAT; US-PGPUB	2003/06/25 16:50
13	1	("5886103").PN.	USPAT; US-PGPUB	2003/06/25 16:53
14	226	((golf\$[ab] and clay\$) and (nylon or polyamide\$)) not ((golf\$[ab] and clay\$) and (nylon\$[ab] or polyamide\$[ab]))	USPAT; US-PGPUB	2003/06/25 16:53